



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
Livestock Facility Inspection Checklist

5-24-11

GENERAL INFORMATION

TYPE OF INSPECTION:

☒ CAFO ☐ COMPLAINT ☐ RECONNAISSANCE ☐ ERU FOLLOW UP ☐ OPERATOR REQUEST ☐ OTHER

FACILITY NAME (LLC, Inc., Corp, Partnership, sole proprietorship, etc.)

*Illini Management, Inc*

INSPECTION DATE

*5-10-2010* ARRIVAL TIME

ADDRESS

*1620 N. Coal Rd.*

INSPECTOR(S)

*E. Aleman i S. Foster* DEPARTURE TIME

CITY

*Victoria*

STATE

*IL*

ZIP CODE

*61485*

ACCOMPANIED BY (if applicable)

*Sustan Hamilton*

LEGAL DESCRIPTION

*1614, Section 16*

COUNTY

*Knox*

SECTION

*10*

TOWNSHIP

*Copley*

RANGE

*9301*

TEMPERATURE

*June / Sunny day*

PRECIPITATION TYPE

Facility Owner(s):

Exemption 6 and Exemption 7(C)

NAME

*Tu Stin Hamilton*

CONTACTED

☒ YES ☐ NO

PHONE

*[Redacted]*

MOBILE

*[Redacted]*

Exemption 6 and Exemption 7(C)

Exemption 6 and Exemption 7(C)

NAME

CONTACTED

☐ YES ☐ NO

PHONE

*[Redacted]*

MOBILE

*[Redacted]*

ADDRESS

CITY

STATE

ZIP CODE

Facility Operator(s):

Exemption 6 and Exemption 7(C)

NAME

*[Redacted]*

CONTACTED

☐ YES ☐ NO

PHONE

*[Redacted]*

MOBILE

*[Redacted]*

ADDRESS

CITY

STATE

ZIP CODE

NAME

CONTACTED

☐ YES ☐ NO

PHONE

*[Redacted]*

MOBILE

*[Redacted]*

ADDRESS

CITY

STATE

ZIP CODE

NPDES PERMIT INFORMATION (If no NPDES Permit, skip this section)

1. What type of NPDES permit has been issued?

☐ Individual NPDES Permit ☐ General NPDES Permit

NPDES #

2. What date was the NPDES permit issued?

3. What date does the NPDES permit expire?

4. Is a copy of the NPDES permit onsite?

☐ YES ☐ NO

5. Permitted number of animal units?

6. Does the NPDES Permit contain a compliance schedule?

☐ YES ☐ NO

7. Have there been any changes made to the production area since the permit was issued?

☐ YES ☐ NO

If "YES", provide a detailed description of those changes.

None

*PCW*  
*5-24-11*

**LAND APPLICATION/NUTRIENT MANAGEMENT**

1. How many TOTAL acres are available for land application?	<u>2220</u> acres	<u>160 + 55</u>
2. How many acres are READILY available for land application at the time of inspection?	<u>2600</u> acres	
3. Estimated annual quantities of liquid waste	<u>4,200 million</u> gallons	
4. Estimated annual quantities of solid waste	_____ tons	
5. Does the facility have a contractor perform land application? If "YES", Name of Contractor:	<u>majority contractor</u> <u>Deans Redox/5yr rotation</u>	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. What type of land application equipment is available to the facility?	<u>Backfill Package line</u> <input type="checkbox"/> Umbilical Injection <input checked="" type="checkbox"/> Honeywagon Injection <input type="checkbox"/> Honeywagon Surface <input type="checkbox"/> Irrigation <input type="checkbox"/> Rotational Gun <input type="checkbox"/> Manure Spreader <input type="checkbox"/> Vegetative Filter <input type="checkbox"/> Other _____	
7. Does the facility calibrate the land application equipment? If "YES", What method is used?	<u>Contractors do</u>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
8. Does the facility land apply within the 150 foot setback from any water well? If "YES", Explain	<u>Contractor</u>	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. Does the facility land apply within the 200 foot setback from any surface water? If "YES", Explain		<input type="checkbox"/> YES <input type="checkbox"/> NO
10. Does the facility land apply near any residences? If "YES", Explain	<u>1 1/2 mps chest houses</u>	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. Is livestock waste transferred off-site to another party? If "YES", Are records of manure transfers kept? If "YES", Ask to see records	<u>when agreement for off the farm waste taken</u>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO
12. Does the facility have a current NMP or CNMP? If "YES", Does the facility maintain a copy of the nutrient management plan (NMP) onsite?	<u>Manures Soil Testing Inc. out of Joliet IL</u>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
13. Does the NMP reflect the current operational characteristics (number of animals, cropping, etc.)?	<u>one last fall</u>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
14. Are the number of acres owned/leased consistent with those in the NMP?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
15. Is manure and wastewater being applied in accordance with setback/buffer requirements of the NMP?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
16. Are all of the records identified in the NMP being maintained and kept current?	<u>160 tons daily</u>	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. Are records being maintained at the required frequency?		<input type="checkbox"/> YES <input type="checkbox"/> NO
18. Are records being maintained onsite for the period required by NMP and/or NPDES permit?		<input type="checkbox"/> YES <input type="checkbox"/> NO
19. Is the NMP adequately addressing the storage, handling and application of manure and wastewater to prevent discharges to waters of the U.S.?		<input type="checkbox"/> YES <input type="checkbox"/> NO

### LIVESTOCK FACILITY DESCRIPTION

Facility Type				
<input checked="" type="checkbox"/> Total Confinement Buildings		<input type="checkbox"/> Open Earthen Feedlot		
<input type="checkbox"/> Open Confinement Buildings		<input type="checkbox"/> Vegetated Pasture		
<input type="checkbox"/> Open Concrete Feedlot		<input type="checkbox"/> Other _____		
Type of Animals	Number of Animals (currently)	Capacity	Type of Confinement	
Hogs	7,986 - in themiddle of filling.	11,600	Total - 7 Nebraska bur	
Does the facility have an Illinois Certified Livestock Manager (300 or greater animal units)? <input type="checkbox"/> N/A <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
If greater than 1000 animal units but less than 5000 animal units, does the facility have a waste management plan? <input type="checkbox"/> N/A <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				
If greater than 5000 animal units, has the facility submitted a waste management plan to IDOA for review? <input checked="" type="checkbox"/> Don't <input type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> NO				
Does the facility have any other locations under common ownership, or where equipment and/or manure is shared, or where the other site shares land application sites? If so, put names and addresses below.				
None				
Only spot				

## LIVESTOCK WASTE STORAGE

1. Does the facility have any existing livestock waste containment system? ☒ YES ☐ NO  
If NO, then proceed to question 10.

2. General description of the waste containment system (include ~~solid~~ and liquid manure handling, mortality, and feed storage areas).  
None Slurry Storage  $\rightarrow$  Mortality: Schnauzki  $\rightarrow$  Come get them rendering every monday, can come twice a week in summer time

Type of Storage	Total Storage Capacity (Specify Units)
<input type="checkbox"/> Anaerobic Lagoon	
<input type="checkbox"/> Covered Lagoon	
<input type="checkbox"/> Holding Pond	
<input checked="" type="checkbox"/> Above Ground Storage Tank ("Slurrystore")	1.6 million gallons
<input type="checkbox"/> Below Ground Storage Tank	
<input type="checkbox"/> Settling Basin	
<input type="checkbox"/> Roofed Storage Shed	
<input type="checkbox"/> Concrete Pad	
<input type="checkbox"/> Impervious Soil Pad	
<input type="checkbox"/> Underfloor Pits	
<input type="checkbox"/> Anaerobic Digester	
<input type="checkbox"/> Manure Stacks	
<input type="checkbox"/> Vegetative Filter	
<input type="checkbox"/> Other _____	
<input type="checkbox"/> None	

- Do the storage structures have depth markers or staff gauges? ☐ YES ☒ NO  
*Climb up & look*
- Are levels of manure in the storage structures recorded and records kept? ☒ YES ☒ NO  
*yes on top of it*
- Do the storage structures have adequate freeboard? ☒ YES ☐ NO
- Estimated final stage storage structure freeboard \_\_\_\_\_ in. *5 ft.*
- Do facility personnel perform routine visual inspections of the storage structures? ☒ YES ☐ NO
- Are the routine visual inspections documented? ☒ YES ☐ NO
- Does the system have an outfall or discharge point? ☐ YES ☒ NO  
If "YES", please provide a description (overflow pipe, spill way, etc. Include a description the area receiving the discharge).  
**None**
- Are there any portions of the production area where runoff is not controlled? ☐ YES ☒ NO  
If "YES", provide a detailed description of the area(s) of concern:  
**None**

**MORTALITIES MANAGEMENT**

- How are mortalities managed? (Composted, buried, burned, rendering service, other)  
**None** *Rendering*
- Are mortalities documented and are records kept? ☒ YES ☐ NO

**FACILITY WATER SOURCES**

1. What type of method is used to provide drinking water for the animals? *Cap water in stainless steel like*  
☐ Overflow waters   ☐ Tip Tanks   ☒ Nipple waters   ☐ Water Bowls   ☐ Other \_\_\_\_\_
2. How is the water for animals obtained?  
☐ Community PWS   ☐ On-Site Well   ☐ On-Site Impoundment   ☐ Other \_\_\_\_\_  
*Take water on site storage line lake*
3. Is a mist cooling system used? ☐ YES   ☒ NO  
 How is mist water contained?  
*None Has the ability doesn't use it.*

**DAIRY OPERATION (If No Dairy, skip this section)**

1. How many times per day are cows milked? \_\_\_\_\_
2. Describe how the dairy's non-contact cooling water is contained (Example: it is reused for drinking water for the animals).  
*None*
3. Describe how the milking parlor is cleaned (hose or flush) and where the process wastewater goes and how it is contained.  
*None*
4. Describe how the tank(s) are washed and where the process wastewater goes and how it is contained.  
*None*
5. Describe where process wastewater from the plate cooler goes and how it is contained.  
*None*

**BEDDING (If No Bedding, skip this section)**

1. Describe what type of bedding is used for the animals.  
*None*
2. Describe how bedding is collected and how often.  
*None*
3. What is done with the used bedding? ☐ Reused   ☐ Land Applied

**MANURE COLLECTION**

1. How is manure collected? *pull-pit*
- ☒ Under Floor Pit → *3 1/2' deep granules to collection pit*  
*He pulls to empty whenever no fumes*
- ☐ Scraped: ☐ Automatic ☐ Manual
- ☐ Flush
- ☐ Solids Separator
- ☐ Other: \_\_\_\_\_
- ☐ None

2. If manure collection system uses either clean or reused water to flush, describe where this water goes and how it is contained.
- None**

**FEED STORAGE CONTAINMENT**

1. Describe how feed (silage, hay, etc) is contained.
- ☒ Bulk Bins
- ☐ Silage Pit
- ☐ Ag Bags
- ☐ Hay: ☐ Barn ☐ Outdoor
- ☐ Other: \_\_\_\_\_

2. Describe how feed (silage, hay, etc) runoff is contained.
- ☒ Not Applicable – Feed totally enclosed
- ☐ Other: \_\_\_\_\_
- ☐ None

**RECEIVING SURFACE WATERS**

1. Provide a description of the flow path from the facility to the nearest named surface water.

**None**

2. What is the name of the receiving stream?

**None**

3. Status of the named surface water: ☐ Intermittent ☐ Perennial

Are any unnatural bottom deposits observed in the receiving stream: ☐ YES ☐ NO

If "YES", provide a description of the deposits: **None**

**DISCHARGES**

1. Have there been any documented discharges of livestock waste to surface water **in the past year**? If "NO" proceed to question 2. ☐ YES ☒ NO  
 If "YES", specify the date(s).

b. What was the reason for the discharge?

c. Was the discharge the result of a 25 year-24 hour rainfall event? ☐ YES ☐ NO

d. What was the precipitation amount? (if applicable) ☐ YES ☐ NO

e. Was IEMA notified of the discharge? ☐ YES ☐ NO

f. Has the facility taken corrective action to remedy the situation which caused the discharge(s)? ☐ YES ☐ NO

If "YES", describe actions taken:

None

2. Is the facility currently discharging livestock waste from the production area? If "NO" proceed to next section. ☐ YES ☒ NO

b. Was the discharge the result of a 25 year-24 hour rainfall event? ☐ YES ☐ NO

c. What was the precipitation amount? (if applicable)

j. What is the reason for the discharge?

**OTHER COMMENTS/NOTES**

None

Will an inspection report be attached? ☒ YES ☐ NO

**INSPECTOR'S SIGNATURE****REPORT DATE**

*John M. [Signature]*

5/10/2011

Cc: BOW/DWPC/RU

Attachments:

*Report*  
*F-4 1-2*  
*photographs*

## Inspection Report

Subject: Knox County  
(Victoria)

Illini Management, Inc.  
1620 N. Coal Road  
Victoria, IL 61485

To: DWPC/FOS & RU

From: Star M. Fowler DWPC-FOS, Peoria Region

Date: May 10, 2011

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On May 10, 2011 Eric Ackerman and I visited Illini Management, Inc. swine operation to see if the 11,600 wean to finish operation was in compliance. Justin Hamilton the owner accompanied us on our inspection. A plan view and various drawings of the site and digital photographs of the area are attached to this report. Weather conditions for the day were sunny and the temperature was 93°F. The following paragraphs provide further details of the field visit that compliment the CAFO Checklist.

### Biosecurity:

Mr. Hamilton was more than willing to allow us complete access to his facility. He waved the need to wear our protective footwear, and supplied us with his protective footwear when we entered his buildings.

### Site History:

The Hamilton family purchased this facility about 10-15 years ago. The old name was K&K Pork, and that is what most people still refer to the facility as today. The Hamilton Family also owns and operates a feed mill in Oneida Illinois, Illini Feed, Inc., which they have had since before purchasing the hog facility. Illini Management, Inc. is located on an old abandoned strip mine and uses the old mining lake for the water source of the animals.

### Site Description:

The facility is a wean to finish operation that at maximum capacity holds 11,600 head. The piglets are shipped to the facility from Indiana. The new piglets enter at about 13 lbs (14 weeks old) and leave the facility at market weight or about 255 lbs to 265 lbs. The hogs are sent to slaughter at either Marengo or Monmouth. All of the buildings on site have shallow pits of 3 ½' deep with a pull plug system that drains to the slurry tank. The following is a description of the buildings located on site see Figure 2 for location:

#### *Nursery 1:*

At maximum capacity hold 2400 head the dimensions of this building are 178' X 50'. Mr. Hamilton just received 786 head of new piglets yesterday and more on their way.



*Big Barn:*

This is a finishing unit which at maximum capacity can hold 1800 head. The dimensions of this building are 250' X 56'. On the above date the building was empty.

*Nursery 2:*

At maximum capacity this building can hold 2400 head, at the above date there were 2400 head located in the building. The dimensions of this building are 180' X 48'.

*Barn 4, Barn 5, Barn 6, and Barn 7:*

These buildings are all finishers with a maximum capacity of 1200 head each the dimensions of each building are 232' X 44'. At the above date all four buildings were at capacity.

*Slurry Tank:*

There is one 1.6 Million Gallon slurry storage tank on site. There was about 5 ft. of freeboard available.

**Nutrient Management Plan (NMP):**

Mr. Hamilton stated that the facility does have a NMP created by Mowers Soil Testing, Inc., but the document was not available on site to reference. All the buildings on site have a pull pit system that drains to a 14,000 gallon collection pit next to the slurry tank. The pit is then pumped up to the slurry tank with a Flygt pump that has an automatic starter.

Dennis Frederickson has the contract for emptying out the slurry tank. The waste is applied on a three year rotation between three different farmers and their land. Mr. Hamilton could not remember how many acres are available for land application, but gave an estimate of 220 acres that his family owns. The livestock waste is all injected, but is not drag hose applied because of the terrain being too hilly.

**Slurry Tank:**

At the base of the slurry tank there seemed to be two release valves connected to the tank, the one that Mr. Hamilton used for emptying the tank and agitating, and the other he was not sure of. As seen in Photograph #4 this unused valve appears to be very old and also is cracked. Mr. Hamilton was not sure when the valve had cracked or what the valve was for in the first place.

We explained to Mr. Hamilton that the old valve needs to be looked at by a specialist. We suggested to Mr. Hamilton to contact Cady Inc. to see what the valve was used for. We also told Mr. Hamilton that he needed to make sure the valve had been properly sealed, and if it has not then he needs to have it properly sealed.

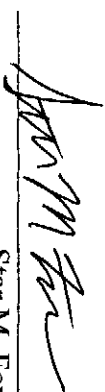
**Mortalities:**

The mortalities are rendered by Schnowski. They are picked up at least once a week and during the warmer seasons twice a week. Until the dead are picked up they are kept in a temporary storage box on site.

**Conclusion:**

The only issue in question at this time is the old cracked valve in the slurry tank.

This report is submitted for your information.



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Star M. Fowler

Att:

- Figures 1-2
- CAFO Checklist
- Photographs

cc: -Bruce Yurdin, BOW

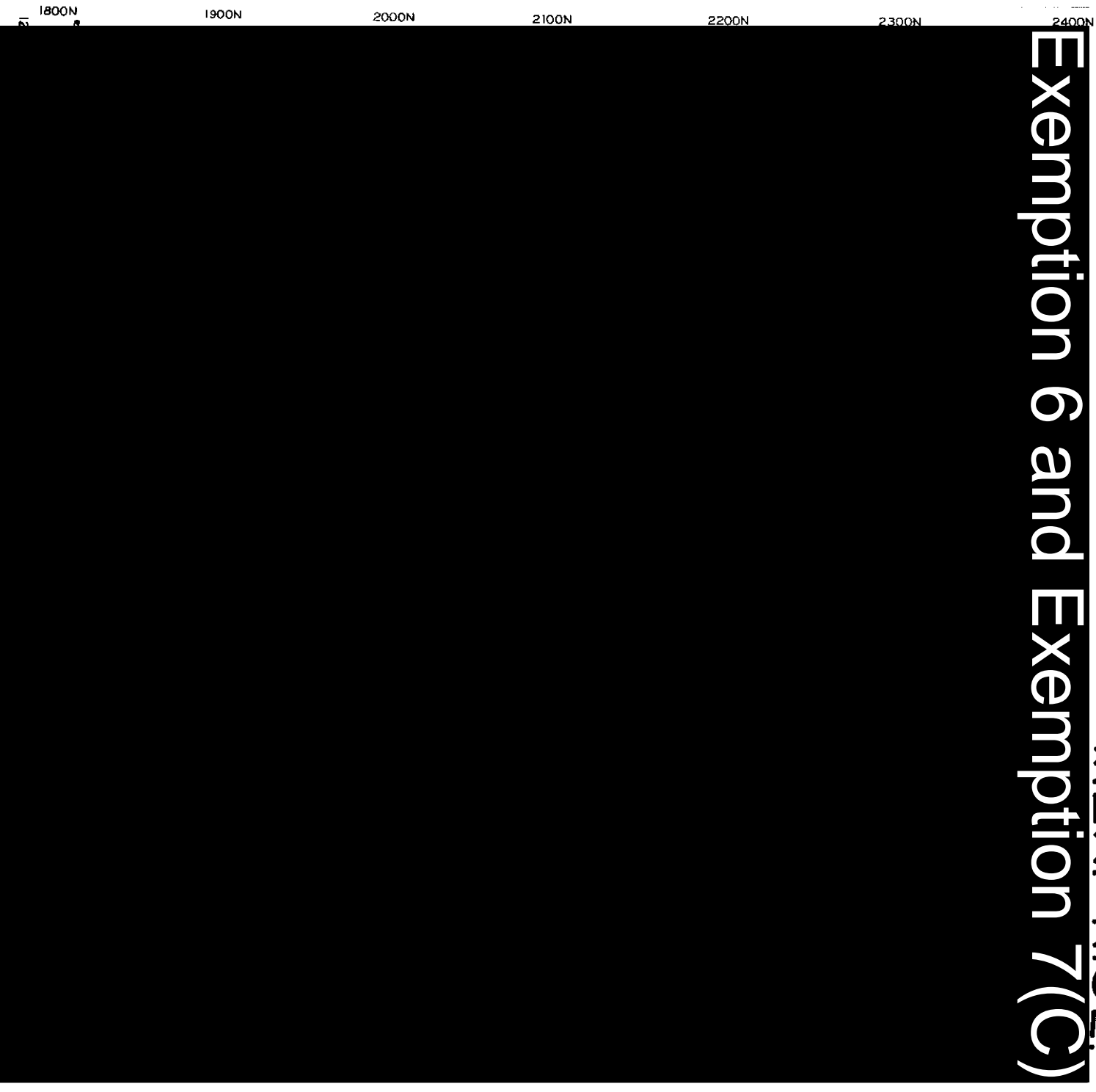
- Peoria Files

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T.12N.-R.3E.

# Exemption 6 and Exemption 7(C)

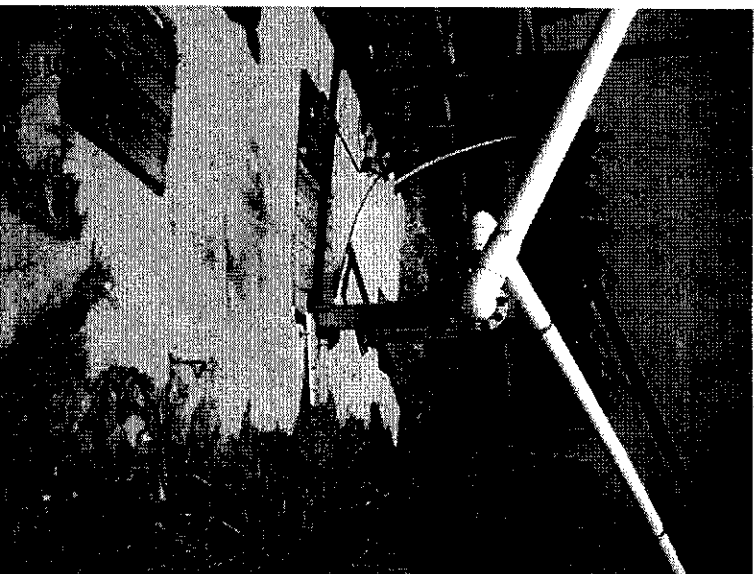


**Figure 1. Location Map of Illini Management, Inc. near Victoria in Knox County on May 10, 2011.**

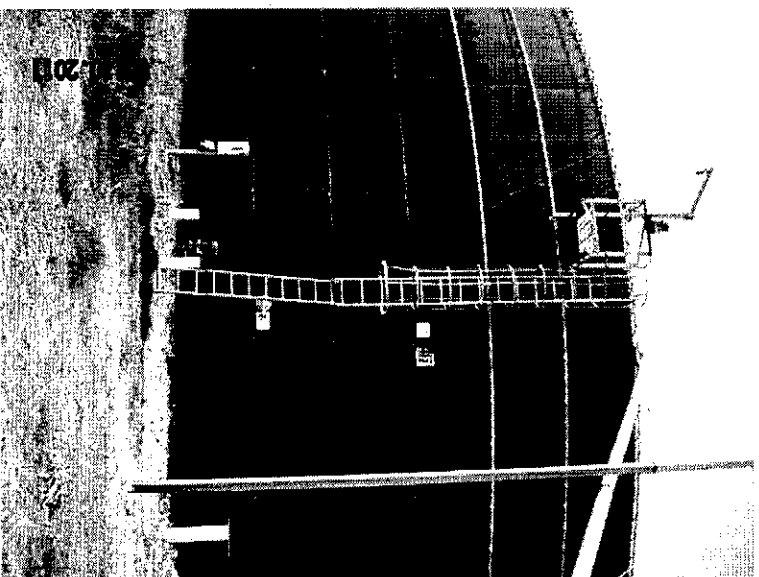


Figure 2. Plan View from Google Earth of Illini Management, Inc. on May 10, 2011.

Illini Management, Inc.  
Knox County  
May 10, 2011  
(IEPA Star M. Fowler)

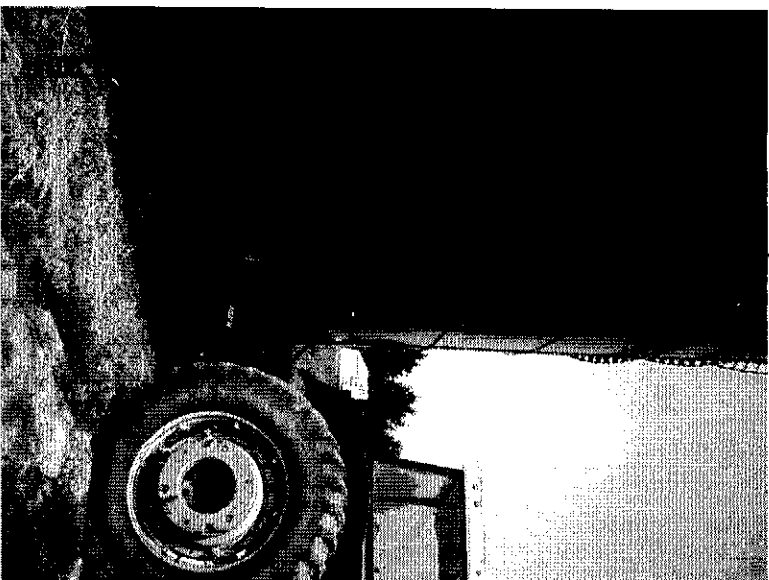


Photograph #1. View of lift station that lifts manure into Slurry Storage.

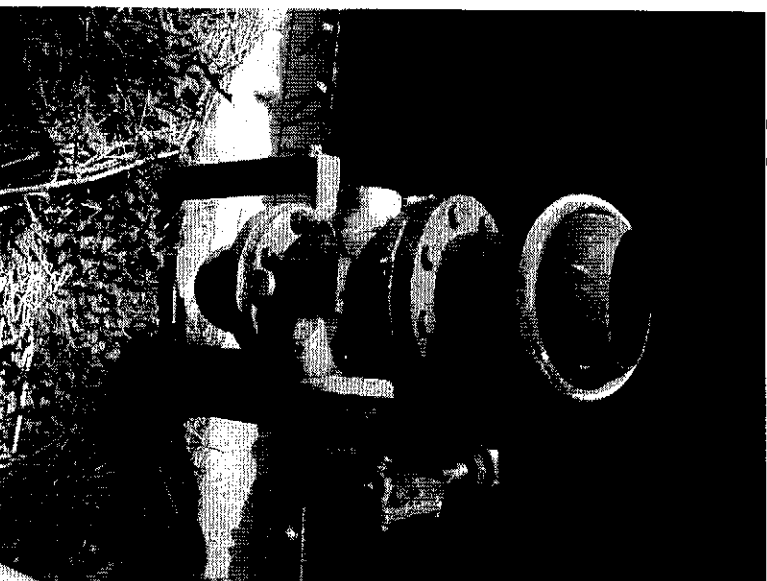


Photograph #2. Slurry Storage unit.

Illiini Management, Inc.  
Knox County  
May 10, 2011



Photograph #3. Manure Release Valve.



Photograph #4. What appears to be an old release valve, cracked.

Illini Management, Inc.  
Knox County  
May 10, 2011

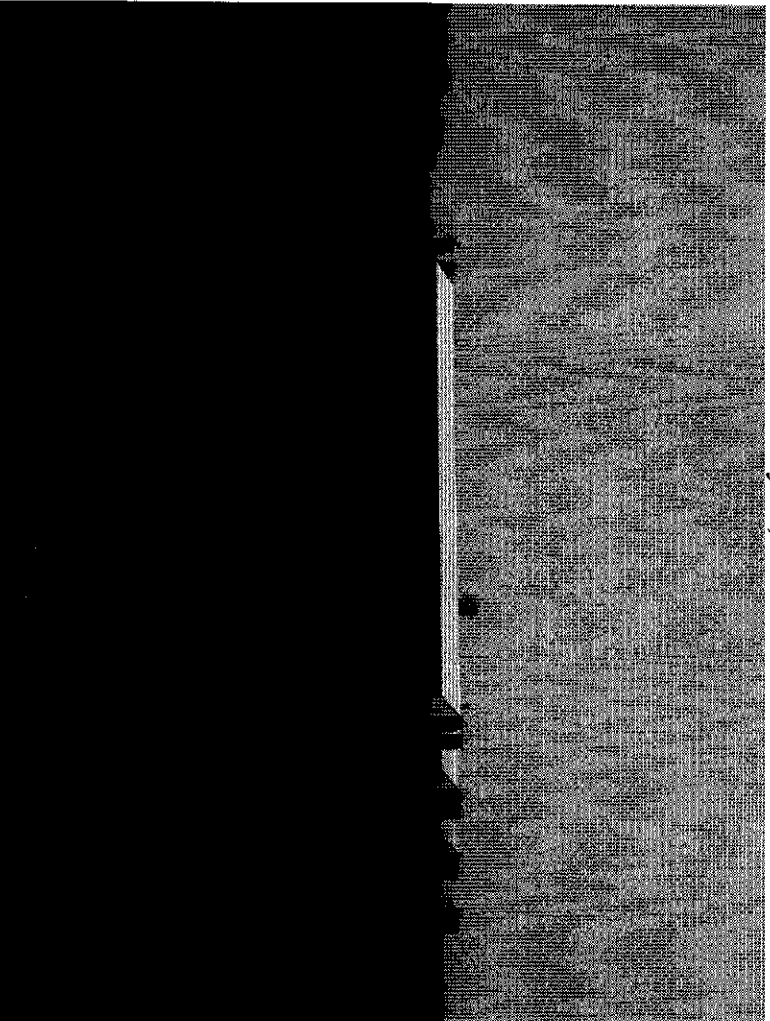


Photograph #5. Inside Slurry Tank. View is East.

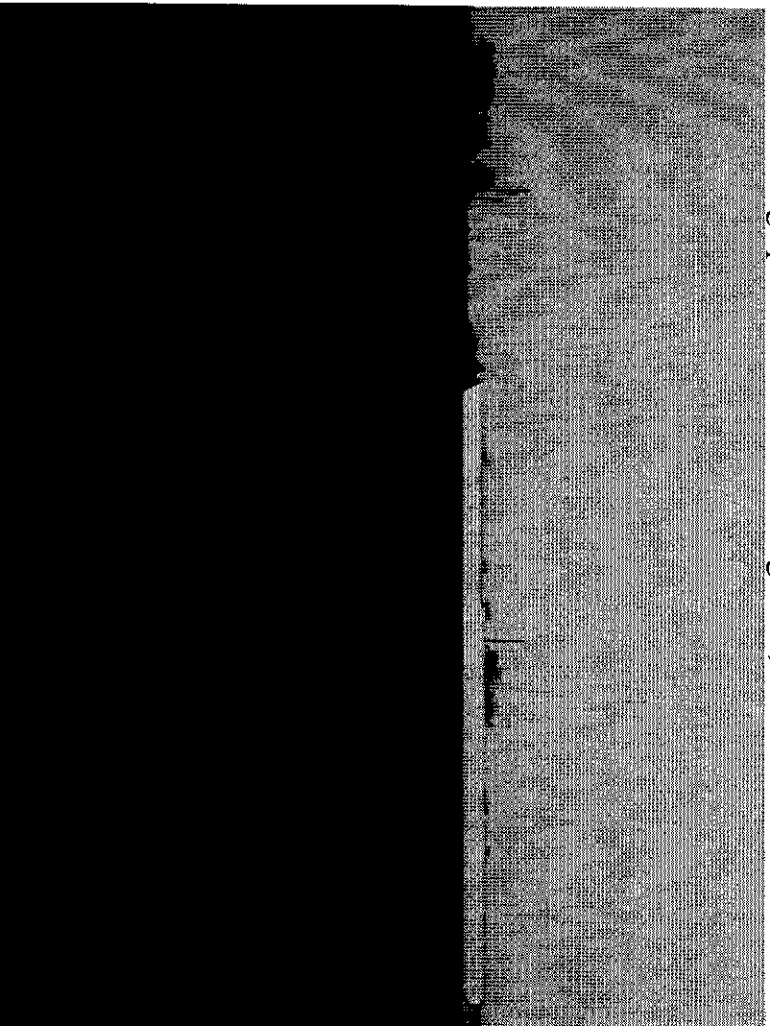


Photograph #6. Inside Slurry Tank. View is West.

Illini Management, Inc.  
Knox County  
May 10, 2011



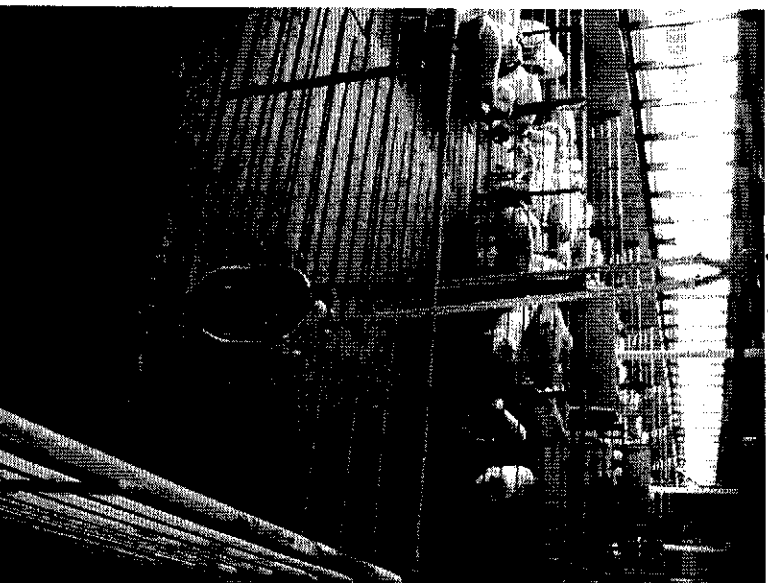
Photograph #7. View of finishing barns, view is Southeast.



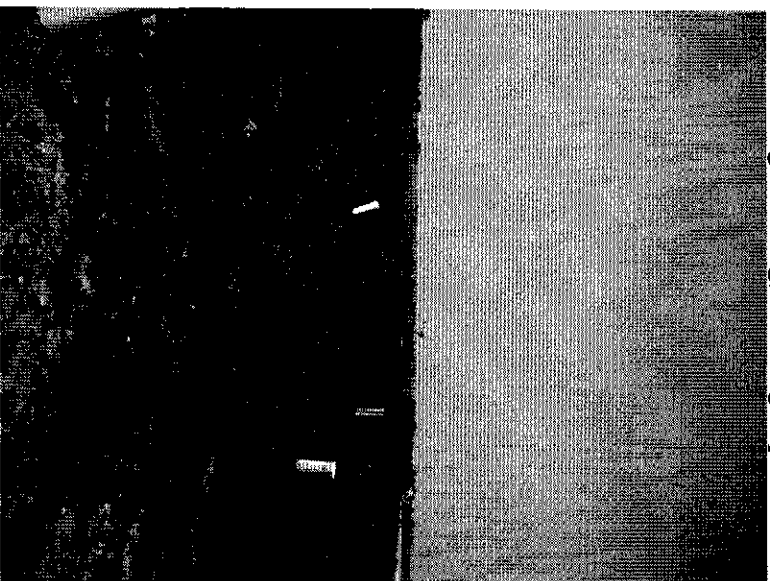
Photograph #8. View of Nursery 1. View is Southwest.



Illini Management, Inc.  
Knox County  
May 10, 2011



Photograph #9. Inside a finishing building, showing cup waters. Facility is fairly clean.



Photograph #10. Cleanout pipes shown to the slurry view is Northwest from finishing units.